



Philips Brilliance
LCD widescreen monitor

19" wide

WXGA+

Brilliance

190SW9FS



Feature packed performance widescreen productivity

With SmartImage, SmartContrast and SmartControl to boost your work output plus TrueVision for the best-ever LCD display, the TCO'03 certified, Vista-ready Philips Brilliance widescreen 190SW9 is ready to get the job done.

Best total cost of ownership solution

- TrueVision ensures top quality LCD display delivered to you
- Empowered for Windows Vista
- TCO'03 guarantees the highest safety and ergonomic standards

Outstanding front of screen performance

- SmartImage: For an optimized display experience
- SmartContrast: Dynamic, optimized contrast for visual clarity

Eco-friendly design

- Green design conserves resources and reduces operating costs

Great convenience

- Hassle-free display performance tuning with SmartControl II
- Auto picture format control switching in wide and 4:3 format
- Tilt and swivel adjustment for an ideal viewing angle
- Cable management for a tidy work space

PHILIPS
sense and simplicity

Specifications

Picture/Display

- **Panel Size:** 18.95"/ 48.1 cm
- **LCD panel type:** 1440 x 900 pixels, Anti-glare polarizer, RGB vertical stripe
- **Recommended Resolution:** 1440 x 900 @ 60 Hz
- **Maximum Resolution:** 1440 x 900 @ 75 Hz
- **Display colors:** 16.7 M
- **Aspect ratio:** 16:10
- **Brightness:** 300 cd/m²
- **Contrast ratio (typical):** 1000:1
- **SmartContrast ratio (dynamic):** 10000:1
- **Picture enhancement:** SmartImage
- **Response time (typical):** 5 ms
- **Viewing angle:** 170° (H) / 160° (V), @ C/R > 10
- **Effective viewing area:** 408.24 x 255.15 mm
- **Horizontal Scanning Frequency:** 30 - 83 kHz
- **Vertical Scanning Frequency:** 56 - 75 Hz
- **Pixel pitch:** 0.2835 x 0.2835 mm
- sRGB

Connectivity

- **Signal Input:** Analog (VGA)
- **Video Sync Input Signal:** Composite Sync, Separate Sync, Sync on Green

Convenience

- **Convenience Enhancements:** SmartControl II, SmartManage enabled, Picture format selection, On-screen Display
- **Monitor Controls:** Auto (Back), Brightness (Up), Input (Down), Menu (OK), Power On/Off, SmartImage
- **OSD Languages:** English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- **Plug & Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista

- **Regulatory Approvals:** CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- **Tilt:** -5° to 20°
- **Other convenience:** Kensington lock compatible
- **VESA Mount:** 100 x 100 mm

Dimensions

- **Set dimensions with stand (W x H x D):** 436 x 373 x 183 mm
- **Set dimensions with stand in inch (W x H x D):** 17.2 x 14.7 x 7.2 inch
- **Relative humidity:** 20% - 80%
- **MTBF:** 50,000 (excl. CCFL 40,000) hrs
- **Set dimensions (W x H x D):** 436 x 305 x 68 mm
- **Set dimensions in inch (W x H x D):** 17.2 x 12.0 x 2.68 inch
- **Temperature range (operation):** 0°C to 40°C
- **Temperature range (storage):** -20°C to 60°C
- **Box dimensions (W x H x D):** 488 x 420 x 141 mm
- **Box dimensions in inch (W x H x D):** 19.2 x 16.5 x 5.55 inch
- **Product weight (+stand):** 3.64 kg
- **Product weight (+stand) (lb):** 8.02 lb
- **Weight incl. Packaging:** 5.27 kg
- **Weight incl. Packaging (lb):** 11.6

Power

- **Consumption:** < 36W (typical)
- **Consumption (economy mode):** 27 W
- **Off Mode:** < 0.8 W
- **Complies with:** Energy Star
- **Power LED indicator:** Operation - Blue, Stand by/ sleep -blue(blinking)
- **Power supply:** Built-in, 100-240VAC, 50/60Hz

Product highlights

SmartImage

SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

TrueVision

TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

SmartContrast

SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

Auto picture format control

Philips auto picture format control on OSD is to switch from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

Eco-friendly design

Green design is based on environmentally conscious engineering of a display device to minimize power consumption, reduce packing materials and eliminate environmentally sensitive materials.

Cable management

Cable management is a system that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

Windows Vista ready

Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

TCO '03 compliance

A TCO (Swedish Confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).



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